

Title (en)
Control apparatus.

Title (de)
Steuerungsgerät.

Title (fr)
Appareil de commande.

Publication
EP 0265738 A2 19880504 (EN)

Application
EP 87114727 A 19830121

Priority
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Abstract (en)
Control apparatus comprising a lever, foot pedal or other operating member which is coupled to an electrical stepper motor operable, under the control of a computer say, to generate detents and feel forces resisting the movement of the member and thereby impart information to the operator. For example, a detent or position of marked resistance can be introduced into the movement range of say a car throttle pedal to indicate to the driver a pedal position giving optimum economy of fuel. The detent position can be changed within the overall range of pedal movement in dependence upon instant driving parameters such as speed. As well as detents, programmed and/or external condition dependent feel forces can be generated.

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G05D 1/00; **B64C 13/46**; **B60K 26/02**

IPC 8 full level
B60K 26/02 (2006.01); **B64C 13/46** (2006.01); **B64D 31/02** (2006.01); **B64D 31/04** (2006.01); **G05B 19/10** (2006.01); **G05D 1/00** (2006.01); **G05G 5/03** (2006.01); **G05G 9/047** (2006.01)

CPC (source: EP US)
B60K 26/021 (2013.01 - EP); **B64C 13/507** (2017.12 - EP US); **B64D 31/02** (2013.01 - EP); **B64D 31/04** (2013.01 - EP); **G05B 19/106** (2013.01 - EP); **G05G 5/03** (2013.01 - EP); **G05G 2009/04766** (2013.01 - EP)

Cited by
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